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## **MODULE V - SURFACE IMPOUNDMENTS**

### **V.A. APPLICABILITY**

The Permittee is authorized to operate one surface impoundment identified as Surface Impoundment A, as shown in Attachment II-1. The maximum operating capacity is 1,430,000 gallons. The Permittee shall operate and maintain this surface impoundment as required by R315-8-11.

### **V.B. WASTE IDENTIFICATION**

V.B.1. The Permittee is authorized to store non-hazardous wastewaters received from off-site in Surface Impoundment A in accordance with R315-8-11 and the conditions of this permit.

V.B.2. The Permittee is authorized to store the following site-generated wastes (excluding PCB-contaminated liquids and sludges) in Surface Impoundment A in accordance with R315-8-11 and the conditions of this permit:

- a. Floor drainage
- b. Multi-Source Leachate (F039) from hazardous waste units.
- c. Treated liquids
- d. Non-hazardous liquid wastes.
- e. Contaminated run-on and runoff waters.

V.B.3. To ensure compatibility with the liner system all waste placed into Surface Impoundment A shall be tested in accordance with the Waste Analysis Plan, which is Attachment II-WAP.

V.B.4. CERCLA Hazardous Wastes. The Permittee may receive wastes that arrive without EPA waste code numbers, provided that these wastes are from remediation sites regulated under CERCLA. These wastes shall be managed as hazardous wastes and are subject to the terms of this permit.

### **V.C. SPECIAL OPERATING REQUIREMENTS**

V.C.1.a At least three feet of freeboard shall be maintained in Surface Impoundment A at all times.

- V.C.1.b If a separate liquid phase (i.e., an oil layer) should develop on the surface of the liquid in the impoundment (other than a sheen), it shall be removed within 24 hours of discovery and managed in accordance with this permit.
- V.C.2. All waste placed into Surface Impoundment A shall meet the LDR standard prior to being placed into the impoundment.
- V.C.3. At least annually, the solids and liquids (if any) in the impoundment shall be properly sampled and analyzed separately to determine if, through evaporation of water or other factors, they exhibit hazardous waste codes D004 - D011 (Toxicity Characteristics) as described in R315-2-9(g). Should either component exhibit such a characteristic, the provisions of Section V.C.5, below, shall apply until it can be demonstrated that the waters in the impoundment no longer exhibit such Characteristic.
- V.C.4. The management of hazardous waste in surface impoundments shall meet the LDR sampling, residue removal and recordkeeping requirements of R315-13-1 (in particular as relates to *40 CFR 268.4*).

**V.D. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES**

- V.D.1. The Permittee shall comply with all requirements specified in R315-8-11.7 governing the management of incompatible wastes in surface impoundments.
- V.D.2. The Permittee shall comply with the incompatible waste requirements of R315-8-2.8 and document that compliance in the operating record.

**V.E. MONITORING AND INSPECTION**

- V.E.1. The Permittee shall follow the inspection schedule contained in Attachment II-3 for Surface Impoundment A.
- V.E.2. If Surface Impoundment A has been removed from service for a period of six months or longer, the Permittee shall obtain a certification from a Utah certified independent professional engineer that the impoundment dike, including any portion of the dike which provides freeboard, has structural integrity as required by R315-8-11.3(c). The liner shall also be inspected and certified to be free of damage or signs of deterioration. The Permittee shall have this certification performed before Surface Impoundment A is put

back into service. This certification report shall then be incorporated into the operating record and submitted to the Executive Secretary within 60 days of returning the surface impoundment to service.

- V.E.3. If the Permittee discovers the presence of liquid in the leak detection system in quantities greater than five gallons per acre per day, the Permittee shall notify the Executive Secretary verbally or in writing within 72 hours of discovery and take samples of the liquid for semi-volatile analysis and HOC screening. Within ten day of receipt of the analytical result, the Permittee shall provide the results to the Executive Secretary.
- V.E.4. Within 20 days of discovery of liquid in the leak detection system (defined as greater than five gallons per acre per day), the Permittee shall do the following:
  - V.E.4.a. Provide a detailed report explaining why the volume of liquid recovered exceeded five gallons per acre per day; and
  - V.E.4.b. If it is determined that the exceedence was due to a release from the surface impoundment, submit a remediation plan to the Executive Secretary outlining the steps that will be taken to correct the problem (i.e., repair of liner, closure of impoundment). Upon receiving Executive Secretary approval, the Permittee must implement the plan within 60 days of approval

**V.F. REMOVAL FROM SERVICE**

- V.F.1. In accordance with R315-8-11.4, whenever the level of liquids in Surface Impoundment A drops (and the drop is not known to be caused by changes in flows into or out of the impoundment) or the dike leaks or shows signs of failure, the Permittee shall remove Surface Impoundment A from service and immediately implement the applicable procedures specified in the Contingency Plan, Attachment II-6.
- V.F.2. Whenever Surface Impoundment A is removed from service, as specified in R315-8-11.4, the Permittee shall either repair and recertify the impoundment in accordance with R315-8-11.4(d) or close the impoundment as required by R315-8-11.4(e).

**V.G.            CLOSURE/POST-CLOSURE**

The Permittee shall close Surface Impoundment A as required by R315-8-7 and R315-8-11.5 and Condition II.N.